

CALIFORNIA SILVER JACKETS

Informational Briefing

to

Central Valley Flood Protection Board

September 22, 2017

- **Maria Lorenzo-Lee, P.E., CFM**
DWR Silver Jackets Deputy
- **Rachael Orellana, P.E.**
USACE Silver Jackets Lead
Coordinator for California



Current Charter Signatories

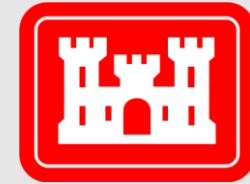
Coalition of 7
Southern California
Counties



FEMA



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Summary

- Overview of the National Silver Jackets Program
- Interagency Projects
 - Example: Quick Response (QR) Codes

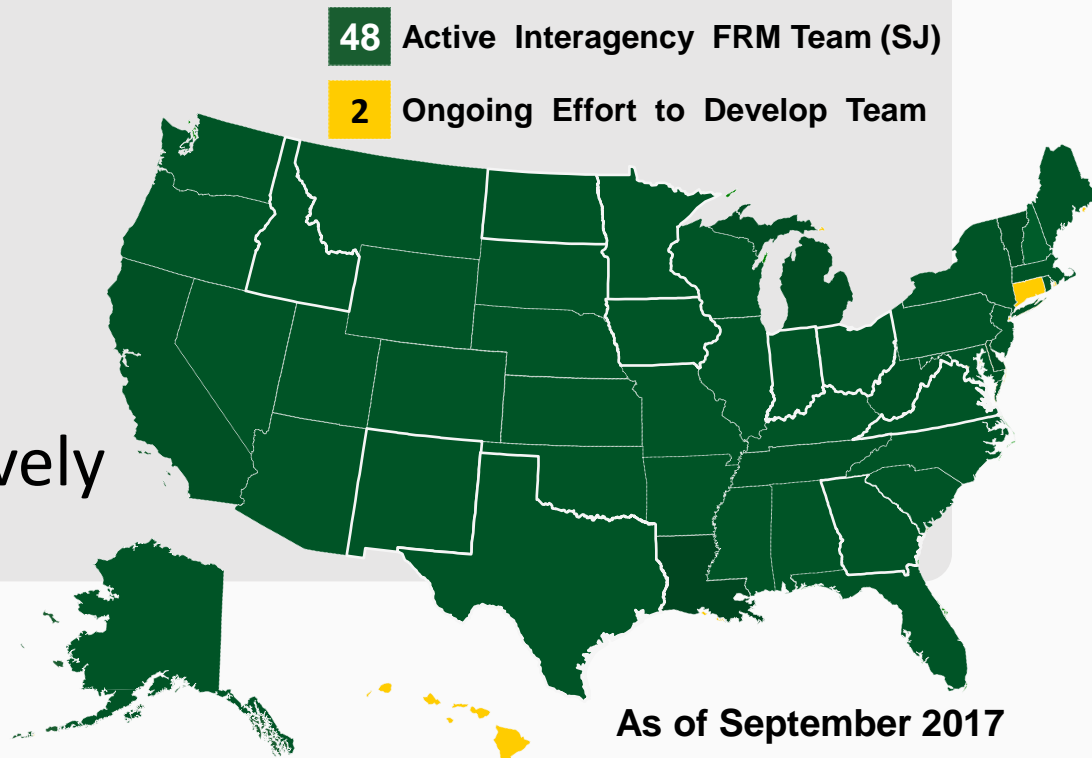


Overview of National Silver Jackets Program

1. Silver Jackets teams are state-led

2. SJ teams facilitate interagency projects

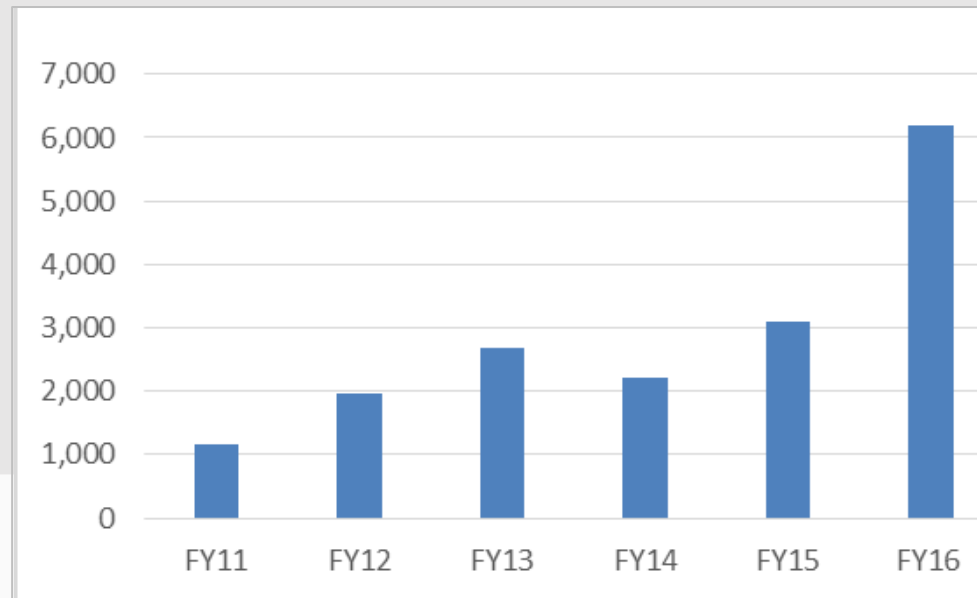
3. Goal is to collaboratively manage flood risk





Non-Structural Interagency Projects

- **Desired outcomes include:**
 - Protect life safety, reduce loss of property, increase resilience
 - Promote shared responsibility
 - Address priorities identified in State or Local Hazard Mitigation Plan
 - Leverage partner resources: *each dollar invested by USACE leverages approximately another dollar from project partners, including work in kind*
- **280 interagency projects initiated in 48 states/DC**



Not a grant: USACE funds most typically support USACE labor that, in combination with partner contributions, allows achievement of a greater whole



Quick Response (QR) Codes

Explore the Interactive ESRI Story Map

Sacramento at Risk:

Understanding Floods in California

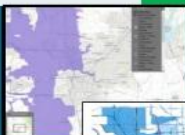
Take a tour through
Sacramento's flood history!



Learn about the effects of
flooding in California!



Understand
your flood risk
and make a
plan!



Check it out here:
<http://tiny.cc/8z4oey>



Discover how agencies
work together to reduce
Sacramento's flood risk!





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CA Silver Jackets: Informational Briefing Topics

- Silver Jackets Team Expands
- Survey/Gap in Conveying Flood Risk
 - Using Partners and Unified Messaging
- Past Silver Jackets Projects
- With CA Silver Jackets
 - Increase of Project Partners
 - Post-Wildfire Guide
 - Watershed University
- Project Proposals
- In-Person Meeting at FMA Conference



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CA Silver Jackets

For Information:

<http://silverjackets.nfrmp.us/State-Teams/California>

Silver.Jackets@water.ca.gov

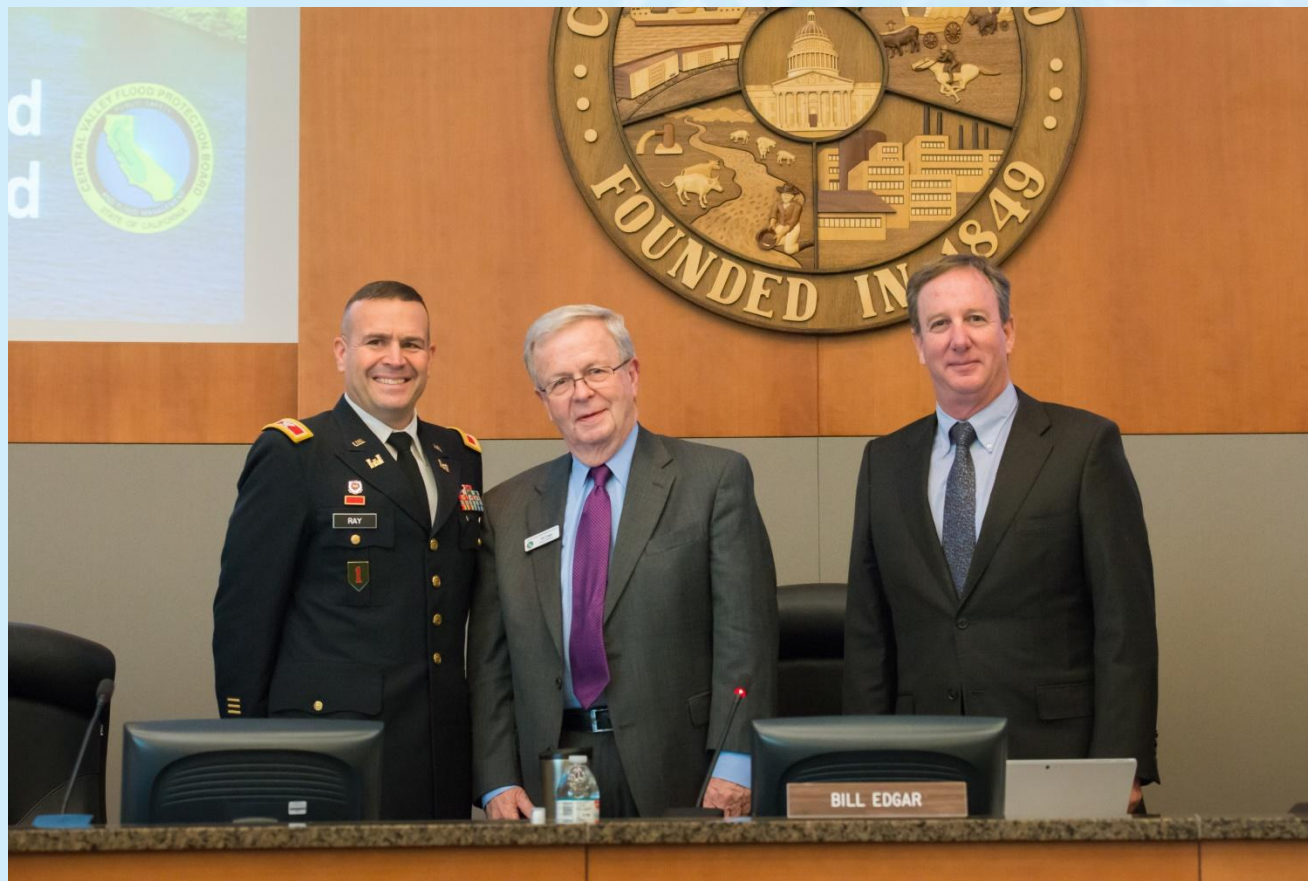


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*California Silver Jackets Charter-
Signing Ceremony, September 2016*



CA Silver Jackets Team Expands with CVFPB



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*USACE Colonel Ray,
CVFPB President Edgar &
DWR Deputy Director Bardini, 2016*



Gap in Conveying Flood Risk

- 4-year survey (2010-2013)
- FEMA local survey on flood risk perception
 - 2/3 of local officials know of a community's flood risk
 - 1/3 of public know of a community's flood risk



<https://www.fema.gov/local-official-survey-findings-flood-risk>



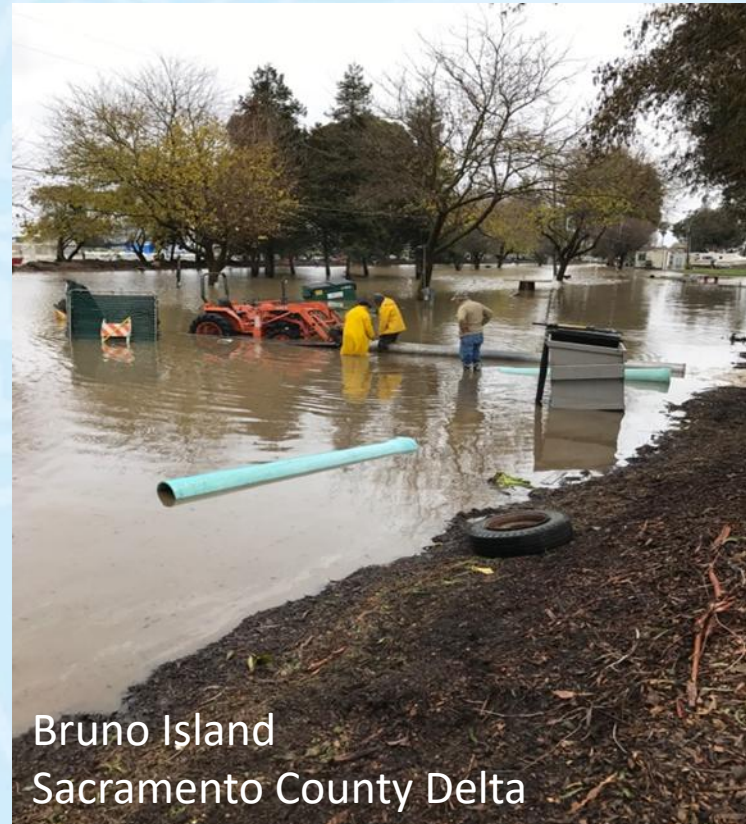
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Using Partners and Unified Messaging in Outreach

Silver Jackets:

- Uniform Message
- Various Methods
- Coordinate Effort
- Strengthen Points
- Motivate Action



Bruno Island
Sacramento County Delta



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Past CA Silver Jackets Activities

Moved Data to Outreach

FEMA-led High Water Mark Initiative

- Displayed signs
- Height of high water mark
- Public locations to convey flood risk

<https://www.fema.gov/hwm-pilot-summary-cities-sacramento-and-roseville-ca>



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CVFPB President Edgar, Sacramento Councilman Fong, DWR - Division of Flood Management Chief Swanson, Congresswoman Matsui, CalOES Chief Deputy Director Ward, USACE Deputy District Engineer Eller, and Sacramento Vice Mayor Ashby



Be Aware. Be Prepared. Take Action!

- California Flood Preparedness Week website:
www.floodprepareca.com
- 2017 CFPW
October 21-28
- Silver Jackets/
CFPW - Next
Coordination Call
September 27



2016 CFPW Expo at USACE Sacramento District Headquarters



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Flood Risk Videos

Phase I

- Coastal Region
- Northern CA
- Southern CA

www.water.ca.gov/floodsafe/ca-flood-preparedness/fpw_videos.cfm

Phase II

- Flooding After Fire
- Flood-Drought
- General Flood Risk (Spanish)

www.FloodPrepareCA.com



Where Flood Waters Flow
California Coastal

Where Flood Waters Flow
Northern Central California

Where Flood Waters Flow
Southern California



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Post-Wildfire Guide Project

Project Description

- "one-stop" compendium of resources available
- Audience: agencies that are responsible for hazard recognition and recovery after a wildfire



Flood Risk Reduction Benefits

- Increase community participation in recovery process
- Provide resources for communities to use in flood risk reduction after a wildfire
- Give people information to prepare for and respond to a flood after a wildfire
- Could reduce future expenditures from post-wildfire floods

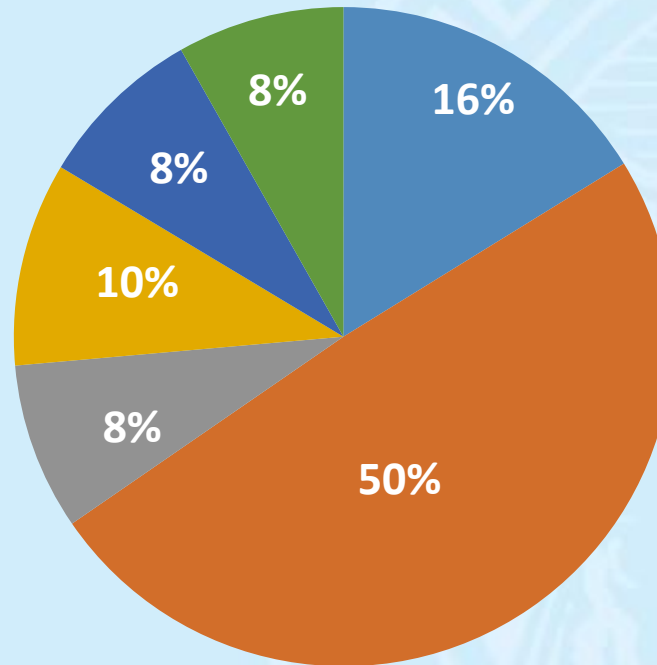
Notes: Idea from New Mexico Team; CA Information given to Utah Team



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Post-Wildfire Guide Interagency In-Kind/Project Contributions



■ DWR ■ USACE ■ CGS ■ Cal OES ■ USGS CA Water Science Center ■ Cal Fire

NEW: 7) Dept. of Forestry and Fire, 8) FEMA, 9) US Forest Service, 10) US Bureau of Land Management, 11) Bureau of Indian Affairs, 12) Natural Resources Conservation Service



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2017



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2017 Watershed University Topics Presented via Web

One Water Plan A 50-Year Look

Watershed University

September 19, 2017



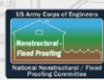
Sara Duckler PE, CFM

Santa Clara Valley
Water District



FMP-101: FLOODPLAIN MANAGEMENT PLANS, A SHORT COURSE PCoP WEBINAR SERIES

Brian Rast, PE, CFM, PMP
Institute for Water Resources
06 April 2017



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Watershed University Flood Warning Systems 101

Organized by California Silver Jackets

David C. Curtis, Ph.D., F.E.
Sr. Vice President
WEST Consultants
Folsom, CA



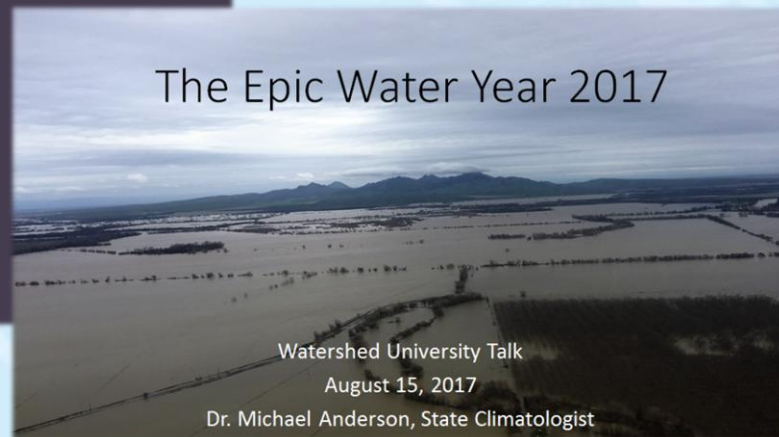
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Hazard Mitigation Assistance (HMA)
Program and Application
Overview



San Francisco Bay Area
Advanced Quantitative
Precipitation
Information (AQPI)
System

The Epic Water Year 2017



Watershed University Talk
August 15, 2017

Dr. Michael Anderson, State Climatologist



Topic & Contact Information

Future Watershed University Topics/Presenter:

- Tolerable Risk Guidelines to Manage Flood Risk, Arcadis
- E19 Historical Forecast Point-Impact Information, NOAA-NWS
- San Joaquin River Flood Response in 2017, LSJLD
- Coastal Resilience, FEMA

Watershed University Home:

<http://water.ca.gov/floodmgmt/watershed-university>

Questions? Contact:

Watershed.University@water.ca.gov



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FY 18 - #1: Levee Safety Risk Communication

- 3 USACE Risk Communication Proposals
 - Independent, but interrelated initiatives

- 1. 3 Local Sponsor Risk Communication Workshops***
- 2. Local Sponsor Communication Plans***
- 3. 2 Table Top Exercises***



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FY 18 - #2: San Joaquin Subsidence Atlas



San Joaquin Valley Land Subsidence Monitoring



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FY 18 - #3: CA Flood Risk Education



**Be Aware.
Be Prepared.
Take Action!**

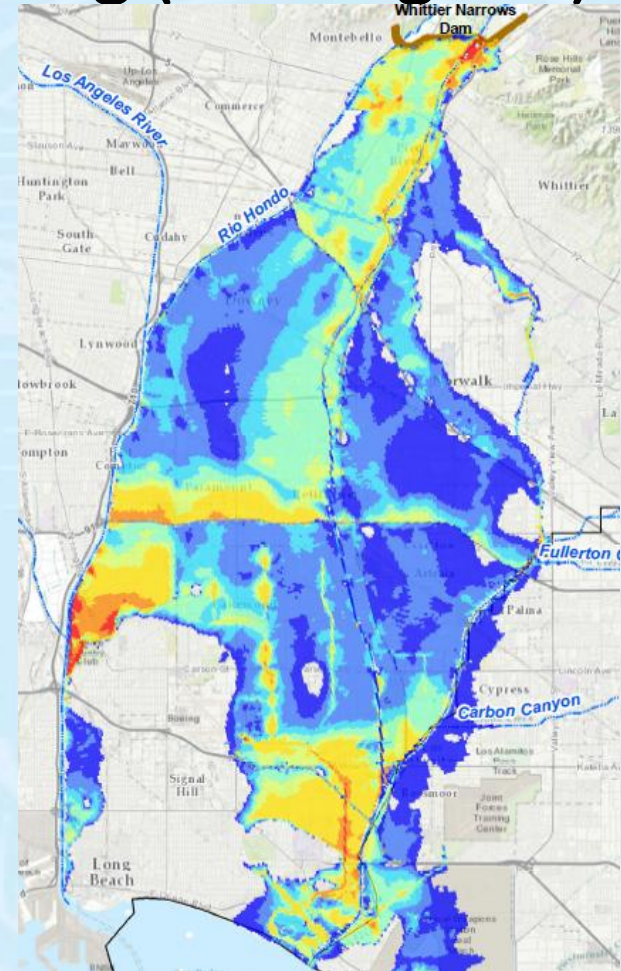


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FY 18 – FYI: Evacuation Planning (Los Angeles)

- **Multi-City Evacuation Planning downstream of Whittier Narrows Dam (WNRS)**



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FY 19 - Idea: Regulatory Permit Enhancement

- Plan: Submit an FY19 Silver Jackets Interagency Project Proposal
- Pilot Project
- Based out of USACE – Los Angeles
- Interest statewide



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2017 Floodplain Management Association Conference



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CA Silver Jackets Team Meeting at FMA

- ~ 50 meeting attendees
- Discussed
 - Previous and current CA Silver Jackets projects
 - How Silver Jackets relationships facilitated emergency responses this past water year



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ITEM 8E



With CA Silver Jackets: Team Benefits

- SJ Teams tend to recover faster during and after a disaster
- Know Capabilities & Scope
- Exchange Information-Grants
- Better Flood Operations Center Agency Coordination



**Tower Bridge, Sacramento River,
Sacramento**



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Look Ahead for Partnerships- CA Silver Jackets

- Flood Preparedness
- Flood Conferences
- Pre-Season meetings
- Watershed University
- New Partnerships

Evolution towards
Effectiveness:
CA Silver Jackets



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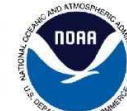


US Army Corps
of Engineers®

California Silver Jackets Team Charter



GVERNOR'S OFFICE
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Coalition of 7
Southern California
Counties



CA Silver Jackets Team Contacts

- **Mary Jimenez, P.E.**
California Silver Jackets Lead,
CVFPB
- **Maria Lorenzo-Lee, P.E., CFM**
DWR Silver Jackets Deputy
- **Rachael Orellana, P.E.**
USACE Silver Jackets Lead
Coordinator for California
- **Hunter Merritt**
USACE Silver Jackets Deputy



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